

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
27 October 2005 (27.10.2005)

PCT

(10) International Publication Number
WO 2005/099335 A2

(51) International Patent Classification:	Not classified	(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
(21) International Application Number:	PCT/CN2005/000508	
(22) International Filing Date:	15 April 2005 (15.04.2005)	
(25) Filing Language:	English	
(26) Publication Language:	English	
(30) Priority Data:	200410033864.X 15 April 2004 (15.04.2004) CN	

(71) Applicant (for all designated States except US): THE CHINESE UNIVERSITY OF HONG KONG [CN/CN]; Shatin, N.T., Hong Kong (CN).

(72) Inventors; and

(75) Inventors/Applicants (for US only): CHAN, Juliana, CN [GB/CN]; House 21, 20th Street, Hong Lok Yuen, Tai Po, N.T., Hong Kong (CN). NG, Maggie, CY [CN/US]; Rm N235, Howard Hughes Medical Institute, The University of Chicago, 5841 South Maryland Avenue, MC1028, Chicago, IL 60637 (US). SO, Wing, Yee [CN/CN]; Flat 6B, Block 19, Parc Versailles, Tai Po, N.T., Hong Kong (CN).

(74) Agent: INSIGHT INTELLECTUAL PROPERTY LIMITED; Suite 501, Zhongyang Building, No. 27A Zhongguancun Nandajie, Haidian District, Beijing 100081 (CN).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/099335 A2

(54) Title: METHODS FOR PREDICTING THE RISK OF DIABETIC NEPHROPATHY USING GENETIC MARKERS AND ARRAYS CONTAINING THE SAME

(57) Abstract: Disclosed is a method for detecting a Chinese diabetic subject suffering from, at risk for developing, or suspected of suffering from a nephropathy. The method includes determining whether a sample from the subject has at least one polymorphic sequence selected from the group consisting of polymorphic sequences an I/D genotype of an ACE gene, an M235T genotype of an AGT gene, a (CA) n-5' (z-2) genotype of an ALR2 gene, an C106T genotype of an ALR2 gene in the promoter region, a G-308A genotype of a TNF- α gene, and a complement thereof, provided that the ALR2 gene cannot be used alone, in which the presence of the polymorphic sequence indicates the subject suffering from, or at risk for suffering from a nephropathy. Also provided is an array for detecting a Chinese diabetic subject suffering from, or at risk for suffering from a nephropathy.